

WED. 24 APR. 1918

Discharged 38 B

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

REC'D NEW YORK

Nov 30 1917

Date of completion of report

November 27 1917

Port of

Port Arthur, Ont.

No. 23.

Survey held at Port Arthur, Ontario.

Date, First Survey

7/9/17

Last Survey

26. 11.

1917

On the (State if Single, Double or Triple Screw)

TONNAGE under Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R. Q. Dk.

Bridge House

Recastle

Uses on Dk.

Uses of Hatchways

Crown of

Room of

Tonnage

Space

Crown of

Room

FOR FEES

Engine Room

Navigation Spaces

Chart Room

er Tonnage

on Beam

ETH on Deck

per Rule

CLASS *100A1

FEET.

Master Chas. C. Hall

Year of appointment

(1) As Master in service of owner of present vessel - 1917

(2) As Master of this vessel Nov 26 1917

Built at Port Arthur, Ontario.

When built 1917 Launched 3/11/17

By whom built Port Arthur Ship Bldg. Co. Ltd.

Owners Imperial Munitions Board.

Managers

(Where necessary to be entered in Reg. Book.)

Residence Ottawa.

Port belonging to Port Arthur.

Destined Voyage

Montreal

If Surveyed while Building, Afloat, or in Dry Dock Building.

BREADTH		Feet.	Inches	DEPTH, ACTUAL		Top of Floors to top of Upper Dk. Beams	Feet.	Inches	No. of Decks with flat laid	
Moulded		43	6	Do. do. do. do.		Second Dk. Beams	2	0	Round of Upper Dk. Beam, Actual	
Moulded depth, ft.		30	ins.	To Bridge Dk.					12	
Moulded depth, ft.		23	ins.	To Upper Dk.						
FRAMING.		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
ME, Angles, or [Bars amidships		12	3 1/2	30.2	12	3 1/2	30.2			
in peaks		7	3 1/2	18.6	7	3 1/2	18.6			
in way of Double Bottoms at Solid Floors		13	3	7.2	13	3	7.2			
at intermdt. Bkts.		13	3	16.5	13	3	16.5			
ing of Frames from centre to centre amidships		24			24					
length to Collision bulkhead		24			24					
in peaks		24			24					
VERSED FRAME, Angles		3	3	7.2	3	3	7.2			
in way of Double Bottoms at Solid Floors		7	3 1/2	16.5	7	3 1/2	16.5			
at intermdt. Bkts.		12			5 1/2					
MING, depth of girder										
ORS, depth and thickness of Floor Plate										
at mid-line for length amidships										
in way of Engine and Boiler Spaces										
thickness at the ends of vessel										
depth at 1/2 the half breadth, as per Rule										
height extended at the Bilges										
ORS in Cell. Double Bottoms										
state if flanged (top & bottom)										
Spacing of Solid floors										
in Dbl. bottom, depth & thickness										
Angles, Top		4	4	12.8	4	4	12.8			
Bottom		3	3	7.2	3	3	7.2			
to Floors		3	3	7.2	3	3	7.2			
Brackets at intermdt. frmg., width & thkns		36	13.8		36	13.8				
DE GIRDERS, number on each side & thickness		36	13.8		36	13.8				
state if flanged (top and bottom)		3	3	7.2	3	3	7.2			
Angles (top and bottom)		3	3	7.2	3	3	7.2			
to Floors		3	3	7.2	3	3	7.2			
RGIN PLATE, depth (exclusive of flange)		48	15.5		48	15.5				
and thickness		3	3	7.2	3	3	7.2			
Angle to Outside Plating		3	3	7.2	3	3	7.2			
Floors		3	3	7.2	3	3	7.2			
Brackets at intermdt. frmg., width & thkns		34	13		34	13				
Height of Outside Brackets above at bilge		42	13		42	13				
VER BOTTOM PLATING, breadth and thickness of Middle Line Strake		36	17.1		36	17.1				
in Engine and Boiler space		3	3	7.2	3	3	7.2			
Remainder in Holds		3	3	7.2	3	3	7.2			
AMS, Upper Deck, Single Angle, Bulb		7	3 1/2	19.7	7	3 1/2	19.7			
Angle, Plate, Tee Bulb, or Channel		6	3 1/2	15	6	3 1/2	15			
In way of Long Bridge		24			24					
Spacing										
AMS, Second Deck, Single Angle, Bulb										
Angle, Plate, Tee Bulb, or Channel										
Spacing										
AMS, Third and Fourth Deck, Single Angle, Bulb										
Angle, Plate, Tee Bulb, or Channel										
Angles on upper edge										
Spacing										
AMS, Poop Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel		5	3 1/2	11.3	5	3 1/2	11.3			
Angles on upper edge										
Spacing										
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel		6	2 1/2	13	6	2 1/2	13			
Angles on upper edge										
Spacing										
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel		6	3 1/2	11.7	6	3 1/2	11.7			
Angles on upper edge		6	2 1/2	13	6	2 1/2	13			
Spacing										

PILLARS.

PILLARS in 'tween Deck, size and spacing

Fore Hold Double Channels

Quarter 'tween Dks., Plate

After in Hold Double Channels

Plate

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above

floors, Through Plate, or Intercoastal Plate

Rider Plate

Flat Plate Keel Angles

Horizontal Plates on Floors

Angles or Bulb Angles

SIDE KEELSONS, Number

Angles or Bulb Angles

Plate above floors, for length

Intercoastal Plate, for length

Attached to outside Plating with Angle

BILGE KEELSON, Angles

Intercoastal Plate for length

Attached to outside Plating with Angle

SIDE STRINGERS, Number

Angle

Intercoastal Plate, for length

Attached to outside plating with Angle

Upper Deck Stringer Plate, br'dth & thickness

(clear of Bridge)

br'dth & thickness

(in way of Bridge)

Angle (clear of Bridge)

Tie Plate at sides of Hatchways

Deck, Steel, for full lng.

Thickness (clear of Bridge)

(in way of Bridge)

Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck, Iron or Steel, for lng.

Wood Deck, Material & thickness

Third Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, Material and thickness

Fourth and Fifth Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck, Material & thickness

Poop Deck Stringer Plate, breadth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Forecastle Deck Stringer Plate, br'dth & th'kns

Angle on ditto

Tie Plates

Deck, Material and thickness

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

Form No. 1A.

WEB FRAMES. Inches in Ship. Inches in Ship. Inches per Rule. Inches per Rule.

WEB-FRAMES, In Fore Body, No. and spacing. brdth. & thickness. No. of Side Stringers. WEB-FRAMES, In E. & B. Space, No. & spacing. brdth. & thickness. WEB-FRAMES, In After Body, No. and spacing. brdth. & thickness. No. of Side Stringers. Size of Face Angles to Web-Frames. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

BULKHEADS. Number. Thickness. STIFFENERS. Single or Double Frames. Height up, state deck. Vessel. Per Rule. Horizontal. Vertical. Size. Spacing. Size. Spacing.

W.T. BULKHEADS. Boiler Room. Engine. After Peak. COLLISION. PARTITION. LONGITUDINAL.

Are the outside Plates doubled two spaces of Frames in length? Brackets. Are the Bulkheads and Watertight Doors in efficient working order? Yes.

FORGINGS OR CASTINGS. Inches in Ship. Inches per Rule. Or as Approved.

KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D* Table 22. Speed. Main-Piece, diameter at head. at heel. RUDDER, how constructed. Thickness of Plates or Single Plate. Can the Rudder be unshipped afloat? Yes. Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? United States Steel Products. Open Hearth. Has the Steel been tested as required by the Rules? Yes.

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Double or Treble and for what Length. Rivets. Straps. IF LAPPED.

FLAT PLATE KEEL. A. (1 Bar Keel, state Riveting). B. C. D. E. F. G. H. J. K. L. M. N. O. P. Q. R. S. T. U. V. W.

THICKNESS OF SHEERSTRAKE. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DBLG. of Flat Plate Keel. Sheerstrakes. Length and thickness. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES.

Upper Deck. Butts, riveted for. length amidship. Stringer Plate. Straps, single or overlapped for. length amidship. Second Deck. Butts, riveted for. length amidship. Stringer Plate. Straps, single or overlapped for. length amidship.

FRAMES extend in one length from Center Line to Margin hence to U.D. State if ordinary or joggled. Ordinary. REVERSED FRAMES on floors and frames extend from Channel Beams from Center Line to Margin double under Eng. T.B. Beams. State if ordinary or joggled. Ordinary.

MASTS, SPARS, &c. Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in Round. ANGLES. RIVETING. Butts. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of. Sails, and the following spare sails.

17515

EQUIPMENT No. 47526 LETTER T. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS.

Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

4490 1st Bower. 39 1 24. 35 8 3 0. 35 2 0. Stockless. 27/8/17. Sealboard. 27/8/17. 4489 2nd. 38 1 16. 34 14 2 21. 35 2 0. 4488 3rd. 34 0 22. 31 16 1 0. 30 0 0. 4493 Stream. 16 2 22. 18 0 2 14. 12 2 21. 4495 Kedg. 6 2 12. 8 17 2 0. 5 3 21.

Particulars of Drop Test of Cast Steel Anchors, viz.:—Weight, Surveyor's Initials, Number of Certificate, Date of Test. 1st Bower. 4490 Head dropped from a clear height of 12 ft & Shank 15 ft. 2nd. 4489. 3rd. 4488. 4th. 4493 & 4495 Head & Shank dropped 15 feet.

CHAIN CABLES. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size per Table 31. Description. Makers of Cables. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length. Cir. Fatigue. Ins. Tons. Fatigue. Ins. Tons.

372 240 1/2. 59.12. 82.8. 400-0.2. 370-1.22. 240 1/2. Link. American. Columbus. O. TOWLINE. 80 2 46.7. 90 2 35.5. 180 2 180 2 2. 75 4 1/2. 39. 75 4 1/2. Wire. Dominion Wire. Rope Co. Ltd. Montreal 30/4/17. W. J. Alderson.

Boats. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. Diameter of Barrel. State whether they are in efficient working order. Windlass is of Steam. Port Arthur Shipbuilding Co. make. Capstan. Engine Room Skylights.—How constructed? Steel. What arrangements for deadlights in bad weather? Bull's Eyes & Shutters. Coal Bunker Openings.—How constructed? How are lids secured? Batten & Cleat. Height above deck? 18". Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Five Scuppers and six freeing ports 42" x 18" on ea. side. Ceiling in Holds, thickness and material. 2 1/2" pine at girders. Cargo Batches, thickness and material. 2" x 6" pine. Cargo Hatchways.—How formed? Plates, angles and channels. Hatches, If strong and efficient? Yes. State size No. 1 Hatch (Forward) 22' x 18". No. 2 Hatch 22' x 18". No. 3 Hatch 20' x 18". No. 4 Hatch 20' x 18". Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Two webs in "1 & 2 and one in each of "3 & 4". One fore & after 6 1/2 x 7 1/2 & Center one 7 1/2 x 8". No. of Breasthooks 2. No. of Crutches 2. Bulwarks, height above deck and description. 42" x 12.5" 1/2". Main Rail, material and size. 6" x 3 1/2 x 15" Channel. The foregoing is a correct description. Surveyor's Signature. Robert Lunn. Builder's Signature (here only). J. J. Raigb. Son. Manager. Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case). 1917 March 7, April 23, 24, May 18, Sept. 5, 13, 26, Oct 8, 13. Workmanship. Are the butts of plating planed or otherwise fitted? planed where practicable. Is the riveted work properly closed? Yes. Are the liners between the frames and plates solid single pieces? Yes. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? No. Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes. State results of tests. Satisfactory. Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests. Satisfactory. Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests. Satisfactory. General Remarks (State quality of workmanship, &c.). This vessel has been built in accordance with the Rules and approved plans (Copies with D.S. & A.). The workmanship and materials are good.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built. The amount of Entry Fee. £. Fees applied for. 25.00. Nov 26 1917. Special Survey Fee. £. 404.00. Received by me. Travelling Expenses, if any £. 14.00. Nov 26 1917. State whether the Vessel has been built under Special Survey. Yes. I am of opinion this Vessel should be Classed. With or without Freeboard, as condition of Class. Without. Cargo Batches fitted. Committee's Minute. Character assigned. 100 A1. FRI. 5-JUL. 1918. a. & b. P. + L. M. C. 11.17.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 26.5 ft., R.O.N. ft., Bridge 78 ft., Forecastle (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be should appear in the Register Book) One steel Deck
 Official No. ; Signal Letters State if Machinery is fitted aft No
 How are the surfaces preserved from oxidation? Inside by Cement and paint Outside by paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where Fitted.	Length.		Where Fitted.	Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	76	179	Fore peak tank, 13'-3" abaft stem	13-3	
Double bottom, under Engines and Boilers,	38	181	After peak tank, 14'-0" before stern Post	14-0	
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	96	221	Other tanks, if fitted,		
		Total capacity of double bottom 581	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules.

Order for Special Survey No. 11

Date

No.

in builder's yard.

Dates of Surveys held while building

1917 July 9, 10, 11, 12, 13, 14, 16, 20, 21, 23, 24, 25, 27, 30
 Aug. 3, 15, 16, 17, 18, 20, 31, Sept. 1, 3, 7, 8, 10, 17, 19, 24, 25, 26, 27, 28, 29, Oct. 9, 10, 11, 12, 13, 22, 23, 30, 31, Nov. 1, 2, 3, 15, 16, 17, 19, 20, 21, 22, 25 + 26

Total No. of Visits

Surveyor's Signature

Robert Lewis Lloyd's Register Foundation